## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | NITIALS | ID NO. | DATE     |  |  |  |  |  |
|---------------------------|---------|--------|----------|--|--|--|--|--|
|                           |         |        | 12-13-61 |  |  |  |  |  |
| FEE DETERMINATION         | FF      |        |          |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       |         | 12/    | . 3//    |  |  |  |  |  |
| FORMALITY REVIEW          | TR      | 1/12   | 19/30/01 |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW | Sm      | 851    | 04-11-02 |  |  |  |  |  |
|                           | 182     | 857-   | 06-11-02 |  |  |  |  |  |

## INDEX OF CLAIMS

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | 1 | Interference |
|   | (Through numeral) Canceled | Α | Appeal       |
|   | Restricted                 | 0 | Objected     |

| Ct       | a i-r | Date         |         |         |          |              |            |              |  | ר          | Claim Date    |          |          |             |          |          |         |          |          | ۱ ۱          | Cta             | im l     |                 | Date     |          |               |         |  |          |                 |              |              |          |                |          |
|----------|-------|--------------|---------|---------|----------|--------------|------------|--------------|--|------------|---------------|----------|----------|-------------|----------|----------|---------|----------|----------|--------------|-----------------|----------|-----------------|----------|----------|---------------|---------|--|----------|-----------------|--------------|--------------|----------|----------------|----------|
| _        | _     |              | T       | Т       | ٦        | $\neg$       | Tate       |              |  |            |               | $\dashv$ | 1        |             |          |          |         |          |          |              | 1               | -        |                 | Т        | П        |               | П       | $\neg$                                 | $\neg$   | П               | Т            | ᆿ            |          |                |          |
| Final    | Palpa | 1-1/18/08    | 14.04.  |         | 13/103   |              |            |              | ۱                                      |            |               |          | Final    | 15 Original | 20/1///  | 24/2/P   |         |          |          |              |                 |          |                 |          | Final    | Original      |         |  |          |                 |              |              |          |                |          |
| 1        | 18    |              | 1       | 7       | 7        |              |            | $\dashv$     |  | $\dashv$   | -+            | -        | 1        | 5           | 7        | ۳        | 4       | ⊢        | Н        | +            | +               | +        | +-              | ┨        | H        | 101           | +       | H                                      | $\dashv$ | $\dashv$        | -+           | +            | 7        | -              |          |
| $\vdash$ | Ц     | <u>į</u> – į | ╄       | +       | 4        |              | -          |              | _                                      | 4          | -             | -        | -        | 52          | Ť        | Ť        | ╀       | ⊢        | $\vdash$ | $\dashv$     | +               | +        |                 | ┨        | Н        | 102           | ╁┈      | Н                                      | $\dashv$ | -               |              | +            | +        | +              | _        |
| $\perp$  | Į.    | 21           | ╄       | 4       | 4        | -            | <b>_</b>   | 4            | -                                      | -          | -+            |          | $\vdash$ | 53          | Н        | ⊬        | ╀       | -        | Н        | -            | +               | +        | +               | -        | -        | 103           | ┽┈      | H                                      | $\dashv$ | ┥               | -            | -+           | +        | $\dashv$       | $\dashv$ |
| :        | X     | Ш            | L       | 1       | _        | _            | _          | _            | _                                      | _          | _             | 4        | $\vdash$ |             | Щ        | 4        | ┞.      | -        | Н        | 4            | -               | +        | +               | 4        | Щ        |               | +       | Н                                      |          |                 | -            | $\dashv$     | $\dashv$ |                |          |
| L        | Ш     | ш            | L       | 1       | _        | _            | _          | _            | _                                      |            | 4             | 4        | <u> </u> | 54          | Щ        | #        | ļ.,     | ⊢        | Н        | -            | +               |          | +               | 4        | ├-       | 104<br>105    | ╁       | Н                                      | -        | $\dashv$        |              | -            | -        | -              |          |
|          | I     |              | L       | 1       | 4        | _            |            | _            | _                                      | _          | 4             | ᆚ        | $\perp$  | (3)         | Ш        | 4        | ┺       | ┡        | Н        | _            | +               | 4        |                 | 4        |          |               | ┼       | -                                      |          | -               | -            | $\dashv$     | -+       | +              | $\dashv$ |
| $\perp$  | $I_0$ | $\Pi$        | L       | ⊥       | ┙        | _            | _          |              | _                                      | _          | _             | 4        | <u> </u> | 56          | Щ        | Н        | ╄       | ↓.       | Н        | 4            | 4               | 4        | -               | 4        |          | 106           | ┿       | <u> </u>                               | _        | -               | $\dashv$     | -            | -        | $\dashv$       | $\dashv$ |
| L        | 0     | Ш            | L       | L       |          | _            | _          | $\Box$       | _                                      | _          | 4             | _        | $\perp$  | 57          | Ш        | Щ        | ↓       | <u> </u> | Н        |              | -               | -        | -               | 4        | <u> </u> | 107           | +       | -                                      | ш        | $\dashv$        |              |              | $\dashv$ |                | $\dashv$ |
| L        | ()    | Ш            | L       | Ţ       | ┙        | $\dashv$     |            |              |  | _          | $\dashv$      | 4        | $\perp$  | 58          | Ш        | Ц        | L       | ↓_       | Н        | 4            | 4               | -+       | -               | 4        | <u> </u> | 108           | +-      | -                                      |          | $\dashv$        | _            | -            | -        |                | _        |
|          | 10    | 11           | L       | 1       | _        | _            | _          | _            |  | _          | _             | _        | $\vdash$ | 59          | Щ        | Ц        | 1       | ↓_       | Ш        |              |                 | 4        | -               | -        | Ľ        | 109           | +       | ⊢                                      | Ш        | $\dashv$        |              |              |          |                | 4        |
| L        | 6     |              | ┖       | 1       |          | _            | _          |              |  | _          | _             | _        | $\perp$  | 60          | Щ        | Ц        | ┺       | ↓_       | Н        | 4            | 4               | -        | 4               | 4        | $\vdash$ | 110           | +-      | <b> </b> _                             | Н        | _               | $\dashv$     | -4           | -        |                | _        |
| L        | Ц     |              | L       | 1       | $\perp$  |              |            |              |  |            | _             | _        | ļ        | 61          | Щ        | Ц        | ╄       | ╙        | Ш        | _            | 4               | -4       | $\perp$         | 4        | <u> </u> | 111           |         | ⊢                                      | Н        | -               | _            | -            |          | 4              | _        |
|          | 1     |              | 1       | ⊥       | _        | _            |            |              |  | _          | ightharpoonup | _        | <u>_</u> | 62          | <u> </u> | Ц        | 4_      | $\vdash$ | Ш        | _            | 4               | -        |                 | 4        | $\vdash$ | 112           | +-      | $\vdash$                               | Щ        | $\square$       | $\dashv$     | -            | 4        | 4              | _        |
| !_       | Į.    | ᄣ            | L       | ┵       | _        | _            |            | Ш            | Ц                                      | _          | _             | 4        | -        | 63          | <b>√</b> | 1        | 1       | 1        | Ш        | _            | $\dashv$        | $\dashv$ | -               | 4        | ⊢        | 113           | -       | <b>├</b> -                             | Н        | $\vdash \vdash$ | _            | $\dashv$     |          | 4              | _        |
| <i></i>  | Ш     | Ш            | ╀       | 1       | _        | $\dashv$     |            | <u></u>      | Щ                                      |            |               | 4        | <u> </u> | 64          | <b> </b> | <u> </u> | $\perp$ | $\vdash$ | Ш        |              | -+              | -        |                 | 4        | $\vdash$ | 114           | +-      | ├-                                     | Н        | Н               | -            | -            | -        | -              | _        |
| *        | Ц     | Щ            | L       | 4       | 4        | i            | _          |              |  | $\sqcup$   | _             | 4        | <u> </u> | 65          |          | L        | ╀       | ╄        | -        | _            | $\dashv$        | -        |                 | 4        | <u> </u> | 115           | +       | ⊢                                      | $\vdash$ |                 |              | -            | -        |                |          |
| ~L       |       | 7            | 4       | 4       | _        | _            |            | Щ            | Ш                                      |            | $\dashv$      | _        | -        | 66          | <u> </u> | L        | ╀       |          | Н        | $\dashv$     | -+              | -        | -               | 4        | -        | 116           | +       | ╌                                      | -        | H               | $\dashv$     |              | ᅱ        | -              |          |
| _        | Ų     | E            |         | 4       | 4        | _            | _          | Ш            | Щ                                      |            | $\dashv$      | _        | $\vdash$ | 67          | <u> </u> | <u> </u> | 1       | ┼-       | H        | _            | +               | $\dashv$ | +               | 4        | ⊢        | 117<br>118    | +-      | +-                                     | H        | Н               |              |              |          | $\dashv$       | _        |
| <u>_</u> | e     | 3            | J       | 4       | Ц        | $\dashv$     |            |              | Ш                                      |            | _             | _        | <u> </u> | 68          | <u> </u> | L        | 4-      | ⊢        | <u> </u> |              | 4               | -        | -               | 4        | ⊢        | -             | +-      | ┼                                      | $\vdash$ | H               | -            | $\dashv$     |          | $\dashv$       | _        |
| $\perp$  | 11    | 9 4          | 11      | 1       | Ц        | _            |            |              | Ш                                      |            | _             | _        | $\perp$  | 69          | _        | L        | ╄       | ↓_       | _        | $\dashv$     | _               | _        |                 | 4        | -        | 119           | +       | ╀                                      | _        | H               | Н            | Н            | $\dashv$ |                | $\vdash$ |
|          | É     | 91           | Ш       |         | Ш        |              |            |              |  |            | Ш             | ╝        |          | 70          | <u></u>  | L        | L       | L        |          |              | _               | _        |                 | 4        | ┕        | 120           | 1       | ļ                                      | L        |                 |              | Ц            | _        |                | <u> </u> |
|          | 2     | 11           | Ш       | L       | П        |              |            |              | Ш                                      |            | $\Box$        | _        | $\perp$  | 71          | L        | L        | ┸       | ┶        | L        | Ш            | $\dashv$        | _        |                 | 4        | L        | 121           | 4-      | ــــــــــــــــــــــــــــــــــــــ | <u> </u> |                 | _            | Ш            |          |                | <u> </u> |
|          | é     | 21/          |         | Ш       | Ц        |              |            |              |  |            |               | _        | L        | 72          | <u> </u> | L        | ┸       | ╄        |          | Ц            | _               | _        | _               | ↲        | <u></u>  | 122           | ┷       | ↓_                                     | L        | <u> </u>        | Ш            | Щ            | _        |                | <u> </u> |
|          | 2     |              | L       | Щ       | Ц        |              |            | Ш            | L                                      |            | Ш             | _        | $\perp$  | 73          |          | L        | ┸       | 1_       | L        | Ш            | _               | _        |                 | 4        | $\vdash$ | 123           | 4-      | ╄                                      | <u> </u> | <u> </u>        | L            |              | _        |                | ├        |
|          | 2     | 4            | $\perp$ | Щ       | Ц        |              |            | Ш            | <u> </u>                               | Ш          |               | _        | $\perp$  | 74          |          | L        | 1       | ┺        | L        | Ш            | 4               | 4        | _               | 4        | <u></u>  | 124           | +       | ╄                                      | _        |                 | <u> </u>     | Н            |          |                | H        |
| L        | 2     |              | 1       | Ц       | Ц        |              |            |              |  |            | Ц             | _        | $\perp$  | 75          | L        | ┖        | ╄       | ╄        | ┞        |              | _               | _        | _               | 4        | ⊢        | 125           | +       | 1                                      | ├-       | <u> </u>        | _            | Н            | _        | _              | L        |
| $\perp$  | 2     |              | 1       | Щ       | Ц        |              |            |              | _                                      |            | Ц             | _        | <u> </u> | 76          | <u> </u> | L        | 4-      | _        | ┞        |              | _               | $\dashv$ | $\dashv$        | 4        | <u> </u> | 126           | ┿       | ╄                                      | ├-       | <del> </del>    |              | -            |          |                | H        |
| L        | 2     |              | 1       | Щ       | Ц        | Ш            | <u> </u>   | Щ            |  | Ш          | Ц             | _        | _        | 77          | ļ        | Ļ        | ╀       | ╀        | _        |              | -               | _        | +               | _        | <u> </u> | 127           | +-      | +                                      | ╀┈       |                 | <u> </u>     | $\vdash$     |          |                | H        |
| Ļ        | 2     |              | Щ       | Щ       | Ц        | Ш            |            |              |  | $\perp$    | $\sqcup$      | _        | ļ        | 78          | <u> </u> | ↓        | +       | $\perp$  | ـ        | Щ            |                 | -        | -               | 4        | -        | 128           |         | ╀                                      | 1        | -               | ├            | Н            |          | -              | H        |
| L        | 2     | —            | Т       | Ц       | Ц        |              |            | _            | L                                      | ldash      | Ш             | _        | $\perp$  | 79          | <u> </u> | ╀        | $\bot$  | +        | ↓_       | _            | $\dashv$        |          | -               | 4        | <u> </u> | 129           | -       | +                                      | ├        | ├               | ┡            | -            | _        |                | H        |
| <u> </u> |       | ю/           | Щ       | Ц       | Ц        |              | _          | L            | L                                      |            | Ц             | _        | $\vdash$ | 80          | 1        | ╀        | ┷       | ╄-       | ╄        |              | _               |          | -               | 4        | $\vdash$ | 130           | +       | ╁                                      | ┡        | ⊢               | -            | Н            | _        | _              | ⊢        |
| Ļ        | 3     |              | Щ       | Ц       | Ц        |              | L          |              | <u> </u>                               |            | Ш             | _        | <u> </u> | 81          | ⊢        | ╀        | ╄-      | ┿        | ╄        |              | _               | $\dashv$ | -               | 4        | $\vdash$ | 131           | +       | ╀                                      | ⊢        | ├-              | _            | Н            | _        | -              | H        |
| ; -      |       | 2/           | Щ       | Ц       | L        | $oxed{oxed}$ | <u> </u>   | Ш            | 1_                                     | <u> </u>   | $\sqcup$      | _        | $\vdash$ | 82          | -        | ╀        | 4       | +        | $\vdash$ | <u> </u>     | -               |          | +               | 4        | $\vdash$ | 132           | +       | +                                      | ├-       | ₩               | <del> </del> |              |          | H              | -        |
| <i>'</i> | _     | 13           | Щ       | $\perp$ | Ļ        | $oxed{oxed}$ | <u> </u>   | <b>—</b>     | <u> </u>                               | $\vdash$   | Щ             | _        | $\vdash$ | 83          | _        | ╀        | +       | +        | ╄        | H            | $\sqcup$        | $\dashv$ | +               | 4        | $\vdash$ | 133<br>134    | +       | +                                      |          | ⊢               | -            | H            | -        | $\vdash$       | $\vdash$ |
| $\cdot$  | 3     |              | Щ       | 4       | Ц        | L            | L.         | <u> </u>     | <u> </u>                               | <b> </b>   | Н             | _        | -        | 84          | -        | ╀        | +       | +        | 1        |              | $\dashv$        |          | +               | 4        | $\vdash$ | 135           | +       | +                                      | ┼-       | ╀               | ⊢            | $\vdash$     |          | -              | ⊢        |
| ·  _     | Ŗ     | <b>9</b>     | Щ       | 4       | L        | $\vdash$     | <u> </u>   | ļ۰           | ⊢                                      | <b> </b> _ | $\sqcup$      | _        | $\vdash$ | 85          |          | +        | +       | +-       | ╁        | -            | $\vdash \vdash$ | $\dashv$ | +               | 4        | -        | 136           | +-      | +-                                     | +        | ⊢               | ├-           | $\vdash$     | $\vdash$ | ┝              | ⊢        |
| -  -     |       | 9            | ;;[     | 4       | L        | _            | ⊢          | $\vdash$     | <b>├</b>                               | _          | $\vdash$      |          | $\vdash$ | 86          | -        | ╀        | +       | +-       | ╀        | -            | $\vdash \vdash$ | $\dashv$ | +               | -        | -        | 137           | +-      | +-                                     | +-       | 1               | -            | -            | <u> </u> | -              | ├-       |
| $\vdash$ |       | 7            | Щ       | 4       | L        | _            | _          | ▙            | ⊢                                      | ⊢          | $\vdash$      | 4        | $\vdash$ | 87          |          | ╀        | +       | +        | +-       | Η.           |                 | 4        | +               | -        | $\vdash$ | $\rightarrow$ | +-      | ╁                                      | ╁        | ╁               | $\vdash$     | ⊢            | -        | ┝              | ⊢        |
| Ļ        |       | 8 /          | Щ       | 4       | $\vdash$ | $\vdash$     | <u> </u>   | ₩            | ⊢                                      | _          | Н             | $\dashv$ | $\vdash$ | 88          | -        | ╀        | +       | +        | +-       | <del> </del> | $\vdash \vdash$ | $\vdash$ | +               | -        | $\vdash$ | 138           | +-      | +-                                     | +        | ⊢               | $\vdash$     | $\vdash$     | -        | -              | ⊢        |
| Ľ        | -     | 9 0          | Щ       | 4       | L        | ⊢            | <u> </u>   | ⊢            | ├-                                     | $\vdash$   | H             | -        | -        | 89          | +        | ╀        | +       | +-       | +-       | $\vdash$     | $\vdash\vdash$  | $\vdash$ | +               | $\dashv$ | $\vdash$ | +             | +       | +                                      | ╀        | +-              | ╁            | $\vdash$     | $\vdash$ | ┝              | $\vdash$ |
| <u>}</u> | -     | ю/           | Щ       | $\perp$ | 1        | _            | <u> </u>   | ┞            | -                                      | _          | Н             | _        | $\perp$  | 90          |          | +        | +       | +-       | $\vdash$ | <u> </u>     | Ш               | Ш        | $\vdash$        | 4        | $\vdash$ | 140           | +       | +-                                     | +        | -               | -            | ⊢            | <u> </u> | -              | $\vdash$ |
| 1        | 14    | 11           | Ш       | Ц       | L        | _            | _          | L            | $\vdash$                               | L          | Ш             |          | L        | 91          | 1 .      | 1        | 4       | $\bot$   | 1        | <u> </u>     | Щ               | Ш        | $\vdash \vdash$ | 4        | $\vdash$ | 141           | 4-      | +                                      | -        | 1               | $\vdash$     | -            | _        | $\vdash$       | -        |
| L        |       | 2            | Щ       | Ц       | 1        | L            | <u> </u>   | 丄            | _                                      | <u> </u>   | Ш             |          | 辶        | 92          |          | ╀        | $\perp$ | ╀-       | $\perp$  | ┞_           | Ш               | Ш        | $\vdash \vdash$ | -        | $\vdash$ | 142           | 4-      | +                                      | ╀-       | ₽-              | $\vdash$     | $\vdash$     | -        | -              |          |
|          | _     | 3/           | Ц       | Ц       | 1        |              |            | $oxed{oxed}$ | $oxed{oxed}$                           | <u>L</u>   | Ш             | _        | <u> </u> | 93          |          | $\perp$  | 1       | 1        | $\vdash$ | <u></u>      | Ш               | Ш        | $\vdash$        | 4        | $\vdash$ | 143           |         | 4                                      | ╄-       | ⊢               | $\vdash$     | ⊢            | <u> </u> | ⊢              | $\vdash$ |
| L        |       | 14/          | $\perp$ | Ц       | 1        | L.           |            | L            | <u> </u>                               | 乚          | Ш             | _        | L        | 94          | 1        | $\perp$  | 4       | 1        | -        | ┞            | Ш               | Ш        | $\vdash \vdash$ | _        | <u>_</u> | 144           |         | $\perp$                                | ╀        | ⊢               | $\vdash$     | ├-           | -        | L              | <u> </u> |
| L        | 14    | 5 /          | Ш       | Ц       | 4        | L            | _          | 1_           | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | <u> </u>   | Ш             | _        | L        | 95          |          | +        | +       | $\bot$   | ╀-       | ⊢            | Ш               | Ш        | $\vdash$        | 4        | _        | 145           | _       | +                                      | +-       | ₩               | ₽-           | -            | -        | <del> </del> — | $\vdash$ |
| L        | 1     | 9            | 1       | Ц       | 4        | _            | L          |              | ــــ                                   | <u> </u>   | Ш             | _        | L        | 96          |          | +        | +       | $\bot$   | $\vdash$ |              | $\vdash$        | Щ        | $\vdash \vdash$ | 4        | $\vdash$ | 146           | +       | ╀                                      | _        | 1               | ╀            | -            | $\vdash$ | -              | ├-       |
| L        |       | 7            | $\perp$ | Ц       | 1        | L            | L          | $\perp$      | ↓_                                     | <u> </u>   | Ш             | _        | $\perp$  | 97          |          | ╀        | 4       | $\bot$   | $\perp$  | $\vdash$     | Ш               | Ш        | $\vdash$        | 4        | $\vdash$ | 147           | _       | _                                      | 1-       | +               | ₽            |              | _        | $\vdash$       | $\vdash$ |
| L        |       | 8            | Ί.      | Ц       | 1        | $\perp$      | oxdot      | <u> </u>     | _                                      | L          | Щ             | _        | L        | 98          |          | 1        | 4       | +        | $\perp$  | ┞            | Ш               | Щ        | $\vdash$        | 4        | $\vdash$ | 148           | 4       | $\bot$                                 | ↓_       | <b>├</b> -      | ╀            | <del> </del> | -        | $\vdash$       | $\vdash$ |
| L        |       |              |         | Ц       | 7        | $oxed{oxed}$ | lacksquare | Ļ            | ┡                                      | ┞          | Ш             | _        | $\perp$  | 99          |          | +        | +       | +        | +        | ⊢            | Щ               | ļ.,      | $\vdash \vdash$ | -        | $\vdash$ | 149           | -       | +                                      | ┼        | ╀               | $\vdash$     | ⊢            | -        | -              | ⊢        |
|          | 5     | io (         | ان      | ۱ ډ     | J        | I            | ĺ          | 1            | ┖-                                     | I          |               |          |          | 10          | Щ        | 1        | _1_     | 1        | 1        | 1            |                 |          | டட              |          |          | 150           | $\perp$ | Ι.                                     | 1_       | Ь.              | 1            |              |          | L              | ட        |

If more than 150 claims or 10 actions staple additional sheet here

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